

ABSTRACT

A stable aluminum-zirconium aqueous solution of enhanced efficacy having a high concentration free of amino acid and polyhydric alcohol is disclosed. Such aluminum-zirconium salts are selected from aluminum/zirconium tetrachlorohydrate; aluminum/zirconium pentachlorohydrate, and aluminum/zirconium octachlorohydrate in which the aluminum to zirconium (Al/Zr) atomic ratio of said salt falls within the limits of the shaded areas A, B, and C, respectively, of the drawing graph wherein the aluminum/zirconium tetrachlorohydrate has an Al/Zr atomic ratio from about 2 to about 6 and metal/chloride molecular ratio about 0.9 to about 1.25; aluminum/zirconium pentachlorohydrate having Al/Zr atomic ratio from about 6 to about 10 and metal/chloride atomic ratio from about 1.5 to about 1.65; and aluminum/zirconium octachlorohydrate having Al/Zr molecular ratio from about 6 to about 10 and metal/chloride molecular ratio from about 0.9 to about 1.5.